

Class II Aquifer Exemption Request Completeness Check

Project:

Date EPA received AE request:

DOGGR Permit #:

Date of completeness check:

DOGGR Contact (name and phone number/e-mail):

Key to tables: Each row in the tables below describes a piece of information that EPA will evaluate to determine whether the aquifer exemption request meets the criteria at 40 CFR 146.4. EPA evaluated the completeness of the information submitted and recorded its findings as follows:

- “Submitted and complete” means that the aquifer exemption request included information on which to evaluate the specific aspect of the criteria (and the relevant information in the request is summarized in the table).
- “Incomplete” means that the applicant submitted some information, but it is incomplete or of insufficient detail to support a determination. EPA requests specific clarification or additional information in these rows of the table.
- “Not provided” means that EPA found nothing in the request that addressed the element.

General Project and Aquifer Information

General Information	Submitted and complete? (If incomplete, describe information needed)
Owner/operator name	
Well/project name	
API number(s)	
Well Class (and subtype)	
Purpose of Injection	
Where is the proposed aquifer exemption located?	
Township, Section, Range, Quarter	
Latitude and longitude Information	
County and City	
Information about distance to nearest Town and/or County	
Name of the aquifer or portion of the aquifer to be exempted	
Areal extent of the area proposed for exemption	
Depth and thickness of the aquifer	
Information on the TDS content of the aquifer, including the TDS at the top and bottom of the exempted zone, and the locations and depths of all fluid samples taken	
Substantial or non-substantial?	
Describe the basis for substantial/non-substantial determination	
Did DOGRR provide public notice and opportunity for public hearing on the AE request? (40 CFR 144.7)	
Were there any public comments?	
If so, where are these public comments located?	

**Class II Aquifer Exemption Request
Completeness Check**

Dates of public notices published		
Dates of public meetings held		
Dates of hearings held		
Were there any notable findings or pending litigation?		
Description of the notice and comment process and the state's final decision		
Basis for the decision to exempt the aquifer or withhold or deny the request		
Any anticipated issues associated with EPA approval or disapproval of the AE request?		
Any meetings between EPA/State/Tribes/Operator to discuss issues. If so, dates of those meetings.		
	Yes	No
Water disposal wells into sub-3,000 TDS?		
Water disposal wells into 3,000-10,000 TDS aquifers?		
Enhanced oil recovery into hydrocarbon-bearing, sub-3,000 TDS aquifers?		
Enhanced oil recovery into 3,000-10,000 TDS aquifers?		

Regulatory Criteria for Class II wells: 146.4(a) + 146.4(b)(1)

Information to support a demonstration that the aquifer or portion thereof does not currently serve as a source of drinking water per 40 CFR 146.4(a)

40 CFR 146.4(a) Criteria	Submitted and complete? (If incomplete, describe information needed)
How the proposed exempted area was determined (<i>i.e., does it account for all past and future injection?</i>)	
Lithology	
Permeability and porosity	
Direction of groundwater flow	
Upper and lower confining zone(s) and description of vertical confinement from USDWs	
Oil or mineral production history	
Information on drinking water wells that draw from the aquifer proposed for exemption, for which the aquifer might be a current source of drinking water	
Maps of the area, geology, and hydrogeology	
Table of inventoried water wells with owner information, purpose, depth, name of aquifer, well completion, age, and data source (including all wells tapping any aquifer in the area)	
Map showing down-gradient and hydraulically connected water wells (including all wells that draw from the aquifer proposed for exemption or any hydraulically connected aquifers)	
How ground water direction and speed were determined	
SWPAs and designated sole source aquifers	
Size of the area evaluated and rationale for determining the size	
Information on the capture zone of wells in the area	

**Class II Aquifer Exemption Request
Completeness Check**

How the lifetime of the well was determined	
---	--

**Class II Aquifer Exemption Request
Completeness Check**

Information to support a demonstration that the aquifer or portion thereof cannot now and will not be used as a source of drinking water in the future because it is mineral, hydrocarbon or geothermal energy producing per 40 CFR 146.4(b)(1)

Did the permit applicant for a Class II operation demonstrate as part of the permit application that the aquifer or portion thereof contains minerals or hydrocarbons that, considering their quantity and location are expected to be commercially producible? The items below reflect the data necessary to make the demonstration as required by 40 CFR 144.7(c)(1) and (2).

146.4(b)(1) Criteria	Submitted and complete? (If incomplete, describe information needed)
Narrative statement	
Logs and core data	
Maps	
Data	
State issued permit	
Information on previous hydrocarbon production (commercial producibility is presumed) or production history of converted production wells or other wells in the vicinity	
Formation description, depth, thickness and permeability or porosity (new Class II wells)	
Drill stem tests	
Project description	
If CBI is an issue, R&D project results	